

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY ANANTAPUR (Established by Govt. of A.P., ACT No.30 of 2008) ANANTHAPURAMU – 515 002 (A.P) INDIA

MASTER OF BUSINESS ADMINISTRATION MBA; MBA (General Management); MBA (Business Management) COMMON COURSE STRUCTURE

COMMON COURSE STRUCTURE					
Course Code	Specialization Elective - V	L	T	P	C
21200401d	Data Communication And Network Analysis	4	0	0	4
	Semester		I	V	
Course Object				•	
	part knowledge on concepts of Data Communication and Network 27, privacy and data encryption.	Analy	ysis, 1	netwo	ork
 To int 	croduce concepts of Network, general structure of Networks, types of I transmission.	f ana	lysis	, lay	ers,
• To ex	plain and analyze different layers in Network focusing on Transport presentation layer and application layers in data communication and				ssio
	omes (CO): Student will be able to	u net	WOIK	•	
	rstand concepts of Data Communication and Network Analysis, network	vork	secui	rity.	
	ey and data encryption.	0111		,	
	knowledge on general structure of Networks, types of analysis, layer	ers, di	gital		
	nission.		U		
• To ex	plain and analyses differ int layers in Network focusing on Transpor	rtatio	n lay	er, Se	essic
layer,	presentation layer and apolication layers.				
UNIT – I	<u>V</u>			Hrs: 8	
	- General structure of Networks - ISO, OSI Reference Model. Hiera				
	nalysis – delay analysis – local access Network design. Physical l				
	ing – digital transmission – circuit switching packet switching – te	rmina	al ha	ndlin	g –
	on and error correcting codes.				
UNIT – II				Hrs:	
	yer: simple protocols. Unrestricted stop and vait sliding window pr			etwo	rk
	circuits and data grams, centralize hierarchic? I and broadcasting algo-			т 1	2
UNIT - III				Hrs:1	
	on layer and Session layer: transport service – addressing				
	- flow control and buffering - synchronization - crash recovery g	ate v	vay–	intei	net
	tation – session layer.	Tas	4	Hrs:1	2
UNIT – IV					
	layer: network security and privacy – data encryption – key listributatures – virtual terminal protocols – file transfer protocols	tion	autne	ntica	tion
	matures – virtual terminal protocols – the transfer protocols	Las	tuma 1	Tma. 1	<u> </u>
UNIT – V	aver distribution systems ICDN Comics & History TCD/ID and			Hrs:1	
	ayer – distribution systems ISDN – Service & History, TCP/IP and	Net v	v orki	ng	
	vorking Derives.	-			
Textbooks:		70			
1. U	Understanding Data Communications & Networks, William A. Shay	, Vik	as		
2. I	Data Communications and Net Working, Behrouz A. Forouzan, TMI	· I			
Reference Bo	oks:			7	
• I	Data Communication and Computer Networks, Duck& Read, Person			X	
	Data Networks, Bertsekas & Gallages, PHI	•			
	Computer Communications and Networking Technologies, Michael	ΔG	110 4	¬en α	മനമ
	ning Resources:	A. Uč	1110, (ciig	age
	ttps://swayam.gov.in/DataCommunicationandNetwork				
	ttps://www.tutorialspoint.com/data communication				
	ttps://onlinecourses.nntel.ac.in/DataCommunication				

https://onlinecourses.nptel.ac.in/DataCommunication